

Abstract of the Disclosure

A sampling probe for delivering a reactant to a substance deposited on a substrate to form a reaction product and for transporting the reaction product to a product analyzer for analysis. The probe includes a tip positionable over the substance on the substrate. The probe has a recess in the tip sized and shaped for receiving at least a portion of the reaction product. The probe has a product sampling passage extending from the recess adapted for connection to the product analyzer for transporting at least the portion of the reaction product to the product analyzer. Further, and a reactant delivery passage extending to an outlet positioned outside the recess for delivering reactant to the substance on the substrate to form the reaction product.